



भारत का राजपत्र

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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE PATENTS AND DESIGNS

Calcutta, the 9th October 1993

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1—277 GI/93

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(845)

पेटेंट कार्यालय

एकसूत्र तथा अभिकल्प

कलकत्ता, दिनांक 9 अक्तूबर 1993

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा सम्बन्ध, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्राबोधिक क्षेत्राधिकार जॉन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,
तीसरा तल, लोअर परले (पश्चिम),
सम्बन्ध-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य
क्षेत्र एवं संघ शासित क्षेत्र गोवा, दमन तथा
दीव एवं दादरा और नगर हवेली ।

तार पता—"पेटेंटॉफिस"

पेटेंट कार्यालय शाखा,
एकसूत्र सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
मन्त्रालय मार्ग, करोल बाग,
नई दिल्ली-110005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,
पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों
एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—"पेटेंटॉफिस"

पेटेंट कार्यालय शाखा,
61, बालाजाह रोड,
मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य
क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप,
मिनांकाय तथा एमिनिदिवि द्वीप ।

तार पता—"पेटेंटॉफिस"

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुसलीय कार्यालय,
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700020 ।

भारत का अवशेष क्षेत्र ।

तार पता—"पेटेंट्स"

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे।

शुल्क :—शुल्कों की अदायगी या तो नकद की या एसी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आवेदन या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा बैंक द्वारा की जा सकती है ।

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE AT 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent branch are the dates claimed under section-135, of the patents Act, 1970.

18th August 1993

477/Cal/93. Advanced Scientific Corp. High capacity sheet feeder.

19th August 1993

478/Cal/93. Eliezer Krausz. Clamping and coupling means.

479/Cal/93. Consteel S.A. Continuous scrap preheating

20th August 1993

480/Cal/93. Tapan Kumar Bysakh, Asit Kumar Bysakh and Bijan Kumar Bysakh. A novel apparatus for testing bending strength of materials.

481/Cal/93. Ambick Mukherjee and Indra Narayan Basu-Mallick. A primary dry cell.

23d August 1993

482/Cal/93. Hoechst Aktiengesellschaft preparation of disazo pigments.

483/Cal/93. Thomson Consumer Electronics, INC. Multi-Input Television Receiver With Combined Clamping And Sync Separation.

484/Cal/93. Thomson Consumer Electronics, INC. Luma-chroma video combining circuit.

24th August 1993

485/Cal/93. Indian Institute of Technology and Samar Kumar Roy Chowdhury. On line bearing condition monitoring device.

486/Cal/93. Siemens Aktiengesellschaft. Steam Generator.

487/Cal/93. Siemens Aktiengesellschaft. Apparatus for separating water and steam.

488/Cal/93. Melanesia International Trust Company Limited. Improved heat exchanger element.

489/Cal/93. Derek Melvin Hurley. Exhaust gas recirculation system. (convention No. 9228957.3. dated 16-11-92 in Britain.

25th August 1993

490/Cal/93. Iscar Ltd. A cutting insert for a milling cutter.

491/Cal/93. Hitachi Construction Machinery Co. Ltd. Hydraulic Drive System.

492/Del/93. Glenayre Electronics, INC. Digital Signal Processor Exciter.

Application for Patents filed at the Patent Office Branch, M.M. Building, IIIrd Floor, Karol Bagh, New Delhi-110005

17th May 1993

497/Del/93. Steel Authority of India Ltd., "Exothermic compound for hot repair of coke oven battery".

498/Del/93. Bharat Heavy Electricals Ltd., "Process for production of Silica Rich Ash from Rice Husk".

499/Del/93. Bharat Heavy Electricals Limited, "Fluidised Bed Combustion System for Straw Firing".

500/Del/93. Bharat Heavy Electricals Ltd., "Universal Revolving Centre".

501/Del/93. Imperials Chemical Industries Plc., "Bromine Catalysed Oxidation Processes". (Convention date 21-5-92 and 01-03-93) (U.K.).

502/Del/93. Zeneca Limited, "Compound". (Convention dated 26-5-92) (U.K.).

503/Del/93. Voest-Alpin E Industrieanlagenbau GmbH., "A Direct-Reduction Process for directly reducing particulate Iron Oxide containing material".

18th May 1993

504/Del/93. Pedro Suarez Bores, "Integrated, Multiphase, Energy-Dissipating Environmental System".

505/Del/93. General Electric Company, "Method and Apparatus for producing from Wound Stator Coils".

506/Del/93. Milos Krofta, "Lamellarapparat and method for clarifying water".

507/Del/93. Milos Krofta, "Water Clarifier with first Filtrate Isolation Improved backwashing and improved bubble generation".

508/Del/93. Societe De Conseils De Recherches Et D' Applications Scientifiques, "A process for preparing Thieno-Triazolo Diazepime derivatives. (Convention date 13-05-89) (U.K.).

509/Del/93. Roy J. Mankovitz, "Apparatus and methods for Automatic Control and Monitoring of the operation of consumer electronic products".

19th May 1993

510/Del/93. The Procter & Gamble Company, "Structured Liquid detergent compositions". (Convention date 02-06-92) (U.K.).

511/Del/93. Council of Scientific and Industrial Research, "An improved equipment for generation of fuel gas from Biomass".

512/Del/93. Council of Scientific and Industrial Research, "An improved process for Coal Gasification".

513/Del/93. Council of Scientific and Industrial Research, "Process for the preparation of silk enhancing material from Cassia tora".

514/Del/93. Council of Scientific and Industrial Research, "A process for the recovery of copper, nickel cobalt and zinc from carbonate cake".

515/Del/93. K. B. L. Wadhwa, "A Elushing valve".

516/Del/93. Lonza Inc., "A method for preparing low free formaldehyde methylolhydantoins and composition thereof".

517/Del/93. Lonza Inc., Process for Preparing Methodolhydantoins.

20th May 1993

518/Del/93. Fuller Company. Controlled air Grats Plate.

519/Del/93. Balance Technology Limited Partnership, "Weight Compensating method and apparatus. (Convention Date 21-05-92); Canada.

520/Del/93. Motorola Inc. Apparatus for channel utilization in extended spectrum communication systems.

521/Del/93. Imperial Chemical Industries Plc. Process for the Production of Purified terephthalic acid. (Convention date 29-05-92 (U.K.).

522/Del/93. Imperial Chemical Industries Plc. Process for the production of purified terephthalic Acid. (Convention date 29-05-92 (U.K.) & 6-11-92 (U.K.).

21st May 1993

523/Del/93. Korea Research Institute of Chemical Technology. Novel Quimoline Derivatives and processes for preparing the same.

524/Del/93. Bharat Heavy Electricals Limited. Process system for controlled circulation/Transport of Granular solids and separation of particulates/dust Adherent of the Granular solids.

525/Del/93. Bharat Heavy Electricals Limited. Circulating bed Granular filter.

526/Del/93. Colgate-Palmolive Company. High foaming monionic surfactant based liquid detergent.

527/Del/93. Colgate-Palmolive Company. High Foaming Monionic Surfactant based Liquid Detergent.

528/Del/93. Sovmestnoe Sovetskoshveitsarsko-Amerikanskoe predpriyatie. Method for production of granulated nitrogen-phosphoric-fertilizers.

529/Del/93. Gori Af 1902, A propeller having optimum efficiency in forward and rearward Navigation.

24th May 1993

530/Del/93. Mahesh Chand Gupta, "Improved process for the insulation of electric conductors".

531/Del/93. The Lubrizol Corporation, "Triglycerides as friction modifiers in engine oil for improved fuel economy".

532/Del/93. Pilgrim Moorside Limited, "Securing Body Parts". (Convention date 12-06-92) (U.K.).

25th May 1993

533/Del/93. Satish Kumar Munjal, "Environment Friendly Silencer for diesel engine".

534/Del/93. The Procter & Gamble Company, "Laundry Bleaching Composition". (Convention date 02-06-92) (U.K.).

535/Del/93. Min Soo, Lee, "Nose Pad-free Eye Glass Frame".

536/Del/93. UOP, "Parallel Flow Baffled Downcomer Fractionation Tray".

537/Del/93. The Procter & Gamble Company, "Adhesive Agent containing Polysiloxane-Frafted Polymer, and Cosmetic Compositions thereof".

538/Del/93. Henry Chi Chuen Yuen, "Apparatus and method using compressed codes for scheduling Broadcast Information Recording".

539/Del/93. Dresser Industries, "An Electrical to Mechanical Transducer".

26th May 1993

540/Del/93. Satish Kumar Munjal, "Environment friendly silencer assembly for reducing substantially hazardous pollutants for-4-stroke petrol engine".

541/Del/93. Coronet-werke Heinrich Schlerf GmbH, "A process for the production of Bristle products from Plastic".

542/Del/93. Coronet-werke Heinrich Schlerf GmbH, "An apparatus for the production of Bristle products from Plastic".

- 543/Del/93. Pfizer Inc., "New N-Aryl and N-Heteroarylurea derivatives as inhibitors of Acyl Coenzyme A: Cholesterol Acyl Transferase (AcAT)".
- 544/Del/93. Paul Wurth S.A., "Machine for piercing a Tapnole for a shaft furnace".
- 545/Del/93. BP Chemicals Limited, "Process for the production of Acetic Acid": (Convention date 02-06-92) (U.K.).

27th May 1993

- 546/Del/93. Messrs. Indian Herbs Research & Supply Co., "An Antistress Composition and a process for preparing the same".
- 547/Del/93. Council of Scientific and Industrial Research, "A process for the preparation of a sheet of connective Tissue Protein".
- 548/Del/93. Council of Scientific and Industrial Research, "A process for the preparation of Tetragonal Zirconia Polycrystalline ceramics with 'I' phase".
- 549/Del/93. Council of Scientific and Industrial Research, "An improved process for the preparation of sodium salt of 3, 5, 6-Tri-chloropyridin-2-01".
- 550/Del/93. Exxon Chemical Patents Inc., "A process for producing a copolymer of Isoolefin and Alkylstyrene".
- 551/Del/93. Pfizer Inc., "Derivatives of 16-membered ring Antibiotic Macrolides".
- 552/Del/93. Dr. Jai Prakash, "A process for sizing of zero-twist polyester filament yarn by newly developed quick drying lubricant".

28th May 1993

- 553/Del/93. Dr. Jai Prakash, "A novel technique of neutralisation of Alkaline effluents by boiler flue gases".
- 554/Del/93. Susanne Vorstcher, "Hydraulic driving and braking system".
- 555/Del/93. National Power Plc., "Gas Compressor". (Convention Date 29-05-92 and 29-06-92, 20-07-92 & 10-03-93) (U.K.).
- 556/Del/93. Nuchem Limited, "A water purification device".

31st May 1993

- 557/Del/93. The Procter & Gamble Company, "Suds controlling compositions" (Convention date 06-06-92) (U.K.).

1st June 1993

- 558/Del/93. Council of Scientific and Industrial Research, "A process for the isolation of cordifolioside B from *Tinospora* species".
- 559/Del/93. Council of Scientific and Industrial Research, "A process for the isolation of cordifolioside A from *Tinospora* species".
- 560/Del/93. Council of Scientific and Industrial Research, "A process for the isolation of cholest-3, 14, 20, 22, 24, 25-Hexahydroxy-7-ENE-6-one designated as cordiol".
- 561/Del/93. The Whitaker Corporation, "Cable Management System".

3rd June 1993

- 562/Del/93. Avery International Corporation, "A pressure-sensitive adhesive stock and a method for manufacturing the same". (Convention date 25-06-88) (U.K.).

- 563/Del/93. ICI Canada, "Waste Paper Treatment process, "(Convention date 02-06-92) (U.K.).

- 564/Del/93. Advanced materials technologies Pte. Limited, "Injection-mouldable Metal Feedstock and method of forming metal injection-moulded article". (Convention date 02-06-92 & 24-11-92) (U.K.).

- 565/Del/93. Henry Chi Chuen Yuen, "Enhancing operations of Video Tape Cassette players".

4th June 1993

- 566/Del/93. Steel Authority of India Ltd., "Mobile Batch Type Gunning-Machine for semi-dry gunning of metallurgical furnaces".
- 567/Del/93. Roussel-Uclaf, "Preparation process for esters of 2, 2-dimethyl-3-(Z)-1-Propenyl-cyclopropane Carboxylic Acid and Intermediates".
- 568/Del/93. BP Chemicals Limited, "Process for the preparation of a catalyst".
- 569/Del/93. Aktiebolaget Astra, "New DNA Sequences".
- 570/Del/93. Gautam K. Solankey, "Helmitee for two wheeler".
- 571/Del/93. B. K. Rana, "A device for causing for a production of evaporative losses during refuelling of vehicles".
- 572/Del/93. Harish Chander Bhatia & others, "An improved process for the preparation of Molybdenum Dialkylthiocarbamates as antifriction, extreme pressure anti-wear and antioxidant additives for lubrication oils".
- 573/Del/93. Harjinder Singh Cheema, "A device for moulding bricks or tiles".
- 574/Del/93. Arun Kumar Kashyap, "An improved process for the synthesis of linear and star shaped block copolymers of isoprene and styrene".

ALTERATION OF DATE UNDER SECTION-16

Patent No. 172573
(903/MAS/90)
Ante-dated to 26th December 1986.

Patent No. 172574
(918/Mas/90)
Ante-dated to 5th February 1987.

Patent No. 172575
(123/Mas/91)
Ante-dated to 8th June 1987.

Patent No. 172576
(151/Mas/91)
Ante-dated to 23rd June 1987.

Patent No. 172577
(256/Mas/91).
Ante-dated to 25th August 1987.

Patent No. 172578
(396/Mas/91)
Ante-dated to 28th September 1987.

Patent No. 172579
(156/Mas/92)
Ante-dated to 27th July 1988.

Patent No. 172580
(157/Mas/92)
Ante-dated to 27th July 1988.

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form 15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta or the appropriate Branch Office on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by two to get the charges as the copying charges per page are Rs. 2/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बन्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकत्र की उपयुक्त कार्यालय को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तरराष्ट्रीय वर्गीकरण के अनुरूप हैं।”

रूपांकन (चित्र आरेखों) की फोटो प्रतियाँ यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश की वृष्ट संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Int. Cl.4 : E 21 B 33/00.

AN ANNULAR PACKOFF FOR ESTABLISHING A HIGHER PRESSURE METAL BARRIER BETWEEN ADJACENT SURFACES OF CONCENTRIC TUBULAR ELEMENTS.

Applicant: FMC CORPORATION, A DELAWARE CORPORATION OF 200 EAST RANDOLPH DRIVE CHICAGO, ILLINOIS-60601, U.S.A.

Inventors :

- (1) BOB CLAYTON HOPKINS.
- (2) RANDY JAMES WESTER.
- (3) DONALD MICHAEL UNDERWOOD.

Application No. 925/MAS/88 filed December 28, 1988.

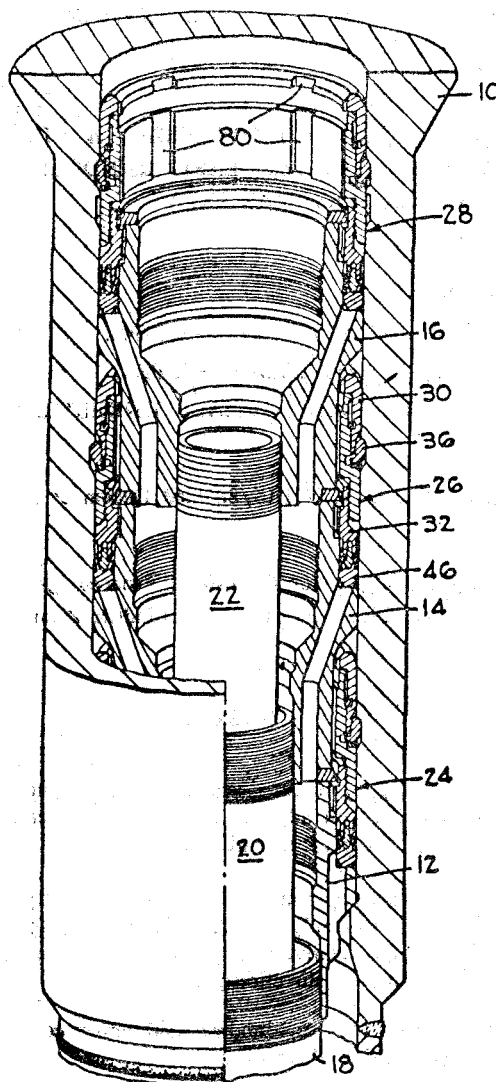
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims

An annular packoff for establishing a higher pressure metal barrier between adjacent surfaces of concentric tubular elements comprising an assembly of:

- (a) a two-piece annular body having an upper component rotatably interconnected to a lower component for relative axial movement of the components in opposite directions;
- (b) a lock ring surrounding said upper component and expandable therefrom;
- (c) an annular lock ring expander mandrel surrounding said upper component above said lock ring for expanding said lock ring in response to an axial force exerted thereon;
- (d) anti-rotation ring means releasably secured to said upper component for preventing undesired relative rotation of said upper and lower components;
- (e) annular metal seal means secured to said lower component for establishing a metal-to-metal seal between said concentric tubular elements, said seal means comprising an annular metal base having a pair of annular metal sealing lips extending upwardly therefrom; and
- (f) energizer means extending from said lower component into operational position between said lips, said energizer means comprising a pair of annular legs for wedging said lips apart into pressure tight

contact with said tubular element surfaces in response to an axial force exerted thereon, said legs acquiring bending energy during said wedging movement and applying said energy to said lips to maintain said pressure tight metal-to-metal contact thereof with said surfaces over extreme fluctuations in pressure to which said seal means is exposed.



(Com. 15 pages; Drwgs 1 sheet of size 33.00 cms. by 41.00 cms.)

Ind. Class : 69-D [GROUP—LIX(1)]

172572

Int. Cl.4 : H 01 H 79/00.

MAGNETIC TRIP DEVICE WITH WIDE TRIPPING THRESHOLD SETTING RANGE.

Applicant : MERLIN GERIN, A FRENCH COMPANY, OF 2 CHEMIN DES SOURCE, 38240 MEYLAN, FRANCE.

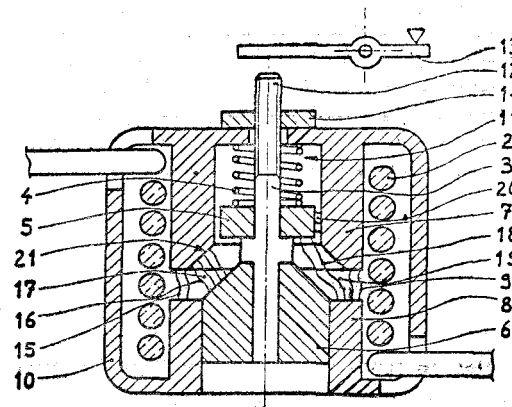
Inventor : PIERRE BATTEUX.

Application No. 805/MAS/89 filed November 2, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

11 Claims

A magnetic trip device with a wide tripping threshold setting range, comprising a fixed magnetic circuit (1, 21) bearing an excitation coil (2) and having a first (7, 22) and a second (8, 23) polar part located one in the extension of the other and separated by a fixed air-gap (9, 24) and a moving core assembly (11, 25), slidably mounted inside said fixed magnetic circuit (1, 21) and having a first part (6, 26) of the core assembly (11, 25) with a polar surface defining a first variable air gap (17) with said first polar part (7, 22), the value of which varies with the movement of the moving core assembly (11, 25), wherein said moving core assembly (11, 25) comprises a second part (5, 27) mechanically united to the first part (6, 26), and magnetically insulated from the latter, said second part (5, 27) defines with said second polar part (8, 23) a second variable air gap (19), the attraction effects exerted on the moving core assembly (11, 25) by the magnetic fields generated by the coil (2) in said first (17) and second (19) variable air gaps being opposing, and an adjustment device (14) is arranged to fix the initial position of the moving core assembly (11, 25) and to adjust the tripping threshold appreciably linearly.



(Com. 13 pages;

Drwgs. 4 sheets)

Ind. Class : 69-I [GROUP—LIX(1)]

172573

Int. Cl.4 : H 02 H 3/08.

A SOLID-STATE TRIP DEVICE WITH TEST CIRCUIT FOR AN EARTH LEAKAGE CIRCUIT BREAKER.

Applicant : MERLIN GERIN, A FRENCH COMPANY, OF RUE HENRI TARZE, F 38050 GRENOBLE CEDEX, FRANCE.

Inventors :

(1) DIDIER FRAISSE.

(2) PAUL TRIPODI.

(3) PASCAL DUDON.

Application No. 903/MAS/90 filed November 9, 1990.

Divisional to Patent Application No. 1016/MAS/86; Ante-dated to December 26, 1986.

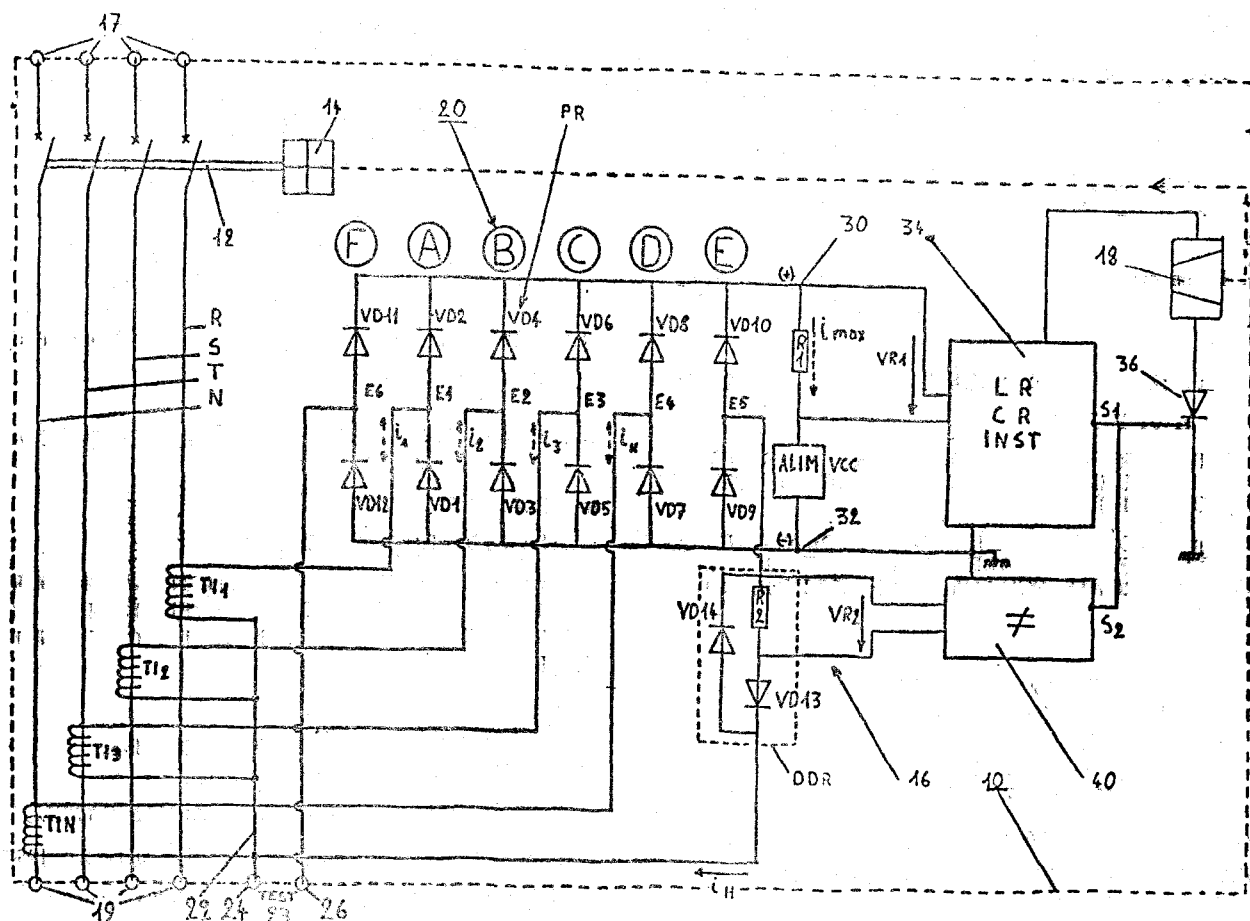
Appropriate Office for Opposition Proceedings, Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims

A solid-state trip device for an earth leakage circuit breaker having a separable contact system controlled by an operating mechanism, comprising a measuring device with a current sensor per pole for detecting intensity of current flowing in each active conductor of an alternating current system, and a plurality of current rectifying means, having respective AC inputs connected to respective current sensors, said plurality of current rectifying means having respective DC outputs which are commonly connected to provide a first rectified

control signal, proportional to a maximum intensity of currents flowing in said alternating current system; a first electronic processing circuit for processing said first control signal, with at least one delayed or instantaneous trip circuit capable of generating with or without a time delay a tripping order for a solid-state switching device the said first control signal exceeds a predetermined threshold; a trip coil electromagnet controlled by said switching device for activating said operating mechanism after the tripping order has been generated, to open the separable contact system; a test circuit having first and second test terminals which are connectable to a fault simulator capable of applying an artificial fault current to monitor operation of the solid-state trip device, when the circuit breaker is either connected with or disconnected from the active conductors of the alternating current system; an internal-connection circuit for connecting the first and second test terminals of the test circuit with an AC input of a rectifier cell having current rectifying means,

said rectifier cell having a DC output connected to said DC outputs of said plurality of current rectifying means connected to said current sensors; a residual ground leakage current discriminator electrically connected between a first terminal of the test circuit and said AC input of said rectifier cell, said residual ground leakage current discriminator having a second measuring resistor cooperating with first and second auxiliary diodes together generating a second control signal indicative of residual ground leakage current flowing in said alternating current system; and a second electronic processing circuit for processing said second control signal, and for generating a tripping order for said solid-state switching device when said second control signal exceeds a predetermined threshold; wherein reversing a direction of test current applied to said first and second test terminals in said test circuit allows independent test operation of said first and second electronic processing circuits.



(Com. 22 pages;

Drawgs 6 sheets)

Ind. Class : 179-B [GROUP—XL(6)]

172574

Int. Cl.4: B 67 D 1/04.

A CONTAINER FOR USE WITH A CONCENTRATE SUPPLY DEVICE.

Applicant: ISOWORTH LIMITED, A COMPANY REGISTERED IN ENGLAND OF 1210 LINCOLN ROAD, WERRINGTON, PETERBOROUGH PE4 6ND, ENGLAND.

Inventor: ALISTAIR SCOTT.

Application No. 918/MAS/90 filed November 14, 1990.

Divisional to Patent No. 169154 (79/MAS/87);

Ante-dated to February 5, 1987.

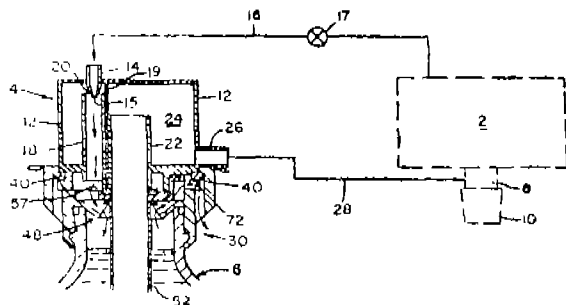
Convention date: February 10, 1986;
(No. 8603227; United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims

A container, for use with a concentrate supply device disclosed in the parent application No. 79/MAS/87 for containing concentrate for flavouring a carbonated drink comprises a connector (30) at an upper portion thereof for co-operation with coupling means (18, 22, 44) of the said concentrate supply device, said connector (30) comprising securing means (40) for securing the connector (30) to the coupling means (18, 22, 44), a concentrate outlet (50) for

cooperation with an inlet (22) of the said coupling means (18, 22, 44) for the transfer of concentrate from the container to a metering chamber (24) of the said concentrate supply device, a gas inlet (66) for communication with a venturi (20) via a passage (22) for permitting supply of gas from the venturi (20) to the container and for permitting return of any excess concentrate supplied to the metering chamber (24) to the container with said gas and a gas outlet spaced from said gas inlet to permit gas to escape from the container substantially without discharging concentrate through said gas outlet.



(Com. 14 pages;

Drwgs. 3 sheets)

Ind. Class : 186-A [GROUP—LXI(1)]

172575

Int. Cl.4 : H 01 P 7/10.

A DIELECTRIC FILTER FOR PASSING A BAND OF RADIO FREQUENCIES AND REJECTING OTHER BANDS OF FREQUENCIES.

Applicant : MOTOROLA INC., A CORPORATION OF THE STATE OF DELAWARE, U.S.A., OF 1303 EAST ALGONQUIN ROAD, SCHAUMBURG, ILLINOIS 60196, U.S.A.

Inventors :

- (1) MOUTRIE MICHAEL F.
- (2) RAYMOND L. SOKOLA.
- (3) PHILLIP J. GORDEN.
- (4) STEVEN R. GREEN.
- (5) DAVID M. DEMURO.

Application No. 123/MAS/91 filed February 13, 1991.

Divisional to Patent No. 169567 (421/MAS/87);

Ante-dated to June 8, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

11 Claims

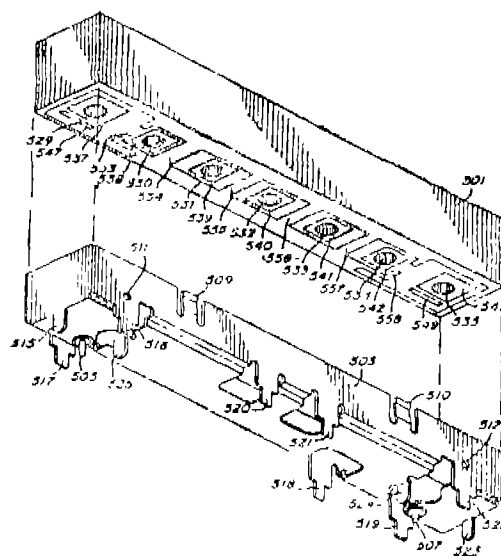
A dielectric filter for passing a band of radio frequencies and rejecting other bands of frequencies, comprising at least

a volume of dielectric material having first, second and side surfaces, said second and side surfaces being substantially covered with a conductive material;

a plurality of holes extending through said dielectric material from said first surface to said second surface, the surface of at least two of said holes being substantially covered with a conductive material which is electrically common at said second surface, thereby forming at least two resonators; and

electrode means disposed on said first surface, connected to said conductive material of said side surface, and extending partially between a first surface hole of a first resonator of said at least two resonators and a first surface hole of a

second resonator of said at least two resonators, whereby coupling between said first resonator and said second resonator may be limited.



(Com. 21 pages;

Drwgs 6 sheets)

Ind. Class : 48-A₄ & 90-I [GROUPS—LVIII(3) & XXXVI]

172576

Int. Cl.4 : C 03 B 37/023.

AN OPTICAL FIBER CABLE.

Applicant : AMERICAN TELEPHONE & TELEGRAPH COMPANY, OF 550 MADISON AVENUE, NEW YORK, NEW YORK 10022, U.S.A., AN AMERICAN INSTITUTION.

Inventors :

- (1) CHARLES HENRY GARTSIDE.
- (2) PAUL GRANCIS GLODIS.
- (3) PARBHUBHAI DAHYABHAI PATEL.

Application No. 151/MAS/91 filed February 22, 1991.

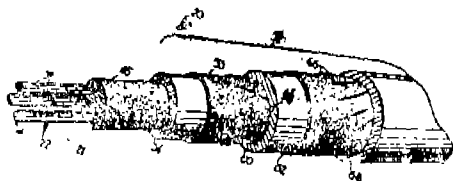
Divisional to Patent No. 453/MAS/87; Ante-dated to June 23, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims

An optical fiber cable, comprising a plurality of optical fibers which are assembled together without intended stranding to form a unit which extends in a direction substantially along a longitudinal axis of the cable, each of said optical fibers including a core, an outer cladding, and an inner cladding; a tube which is made of a plastic material and which encloses the plurality of optical fibers with the ratio of the cross-sectional area of the plurality of optical fibers to the cross-sectional area within the tube not exceeding a predetermined value, said tube being substantially parallel to the longitudinal axis of the cable; a strength member system; and a jacket which is made of a plastic material and which encloses said tube; said cable being characterized in that said inner cladding of each of said fibers has an index of refraction which is less than that of the outer cladding thereof and each of said fibers is characterized by a difference between the indices of refraction of said core and of said

inner cladding which is sufficiently high to cause said each optical fiber to be substantially insensitive to microbending with the ratio of the inner cladding diameter to the core diameter and the ratio of the difference in the indices of refraction of the inner and the outer claddings to the difference in indices of refraction between the core and the inner cladding being such that each said optical fiber is capable of operation in a single mode fashion at a predetermined wavelength.



(Com. 22 pages;

Drwgs. 4 sheets)

Ind. Class : 146-D₃ [GROUP—XXXVIII(2)]

172577

Int. Cl.⁴ : G 02 B 6/16.

METHOD OF MAKING A PREFORM.

Applicant: AMERICAN TELEPHONE & TELEGRAPH COMPANY, OF 550 MADISON AVENUE, NEW YORK, NEW YORK 10022, U.S.A., A.U.S. COMPANY.

Inventor: P L NARASIMHAM.

Application No. 256/MAS/91 filed April 1, 1991.

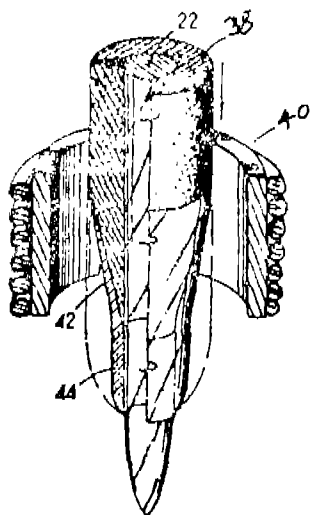
Divisional to Patent Application No. 618/MAS/87;

Ante-dated to 25 August 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims

A method of making a preform from which optical fiber is drawn, said method comprising the steps of providing a substrate to which microwave energy is coupled and causing the substrate to be surrounded substantially with an optically suitable material as herein described which is consolidated about the substrate, and said method being characterized by the step of coupling a source of microwave energy to the substrate to sinter and consolidate the said optically suitable material in a direction outwardly from the substrate to provide an optical preform from which optical fiber is drawn.



(Com. 18 pages;

Drwgs. 4 sheets)

Ind. Class : 206-E [GROUP—LXII]

172578

Int. Cl.⁴ : G 06 F 15/38.

AN APPARATUS FOR TRANSLATING PHRASES FROM A FIRST LANGUAGE INTO AT LEAST ONE SECOND LANGUAGE.

Applicant: BRITISH TELECOMMUNICATIONS PUBLIC LIMITED COMPANY, A BRITISH COMPANY, OF 81 NEWGATE STREET, LONDON EC1A 7AJ, ENGLAND.

Inventors :

(1) FREDERICK WARWICK MICHAEL STEN-TIFORD.

(2) MARTIN GEORGE STEER.

Application No. 396/MAS/91 filed May 21, 1991.

Divisional to Patent No. 170322 (698/MAS/87);

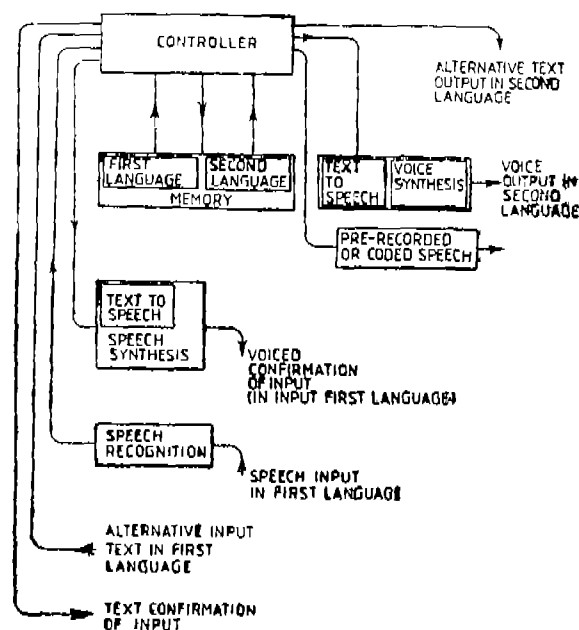
Ante-dated to September 28, 1987.

Convention date : October 3, 1986; (No. 8623839; United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

7 Claims

An apparatus for translating phrases from a first language into at least one second language, comprising first and second terminals operably connected via a data link, said first terminal having an input means for accepting an input phrase in the first language and characterisation means connected to said input means for determining which phrase of the collection corresponds to the input phrase; said second terminal having a store holding a collection of phrase in said at least one second language and an output means for outputting the determined phrase in said at least one second language; wherein the said characterisation means has a speech recognizer to recognize in the input phrase, the presence of at least one keyword or keyword-part of a predetermined set of keywords or keyword-parts, the number of members in the set being smaller than the number of phrases in the collection, and said first terminal comprises generating means to generate a message for transmission to said second terminal via said data link, which message indicates which phrase of the collection corresponds to said inputs phrase.



(Com. 18 pages;

Drwg. 1 sheet)

Ind. Class: 206-E [GROUP—LXII]

172579

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

Inta. Cl.^a: H 01 L 21/70.

4 Claims

A PROCESS FOR FORMING A SEMICONDUCTOR DEVICE.

Applicant: GENERAL INSTRUMENT CORPORATION,
A DELAWARE CORPORATION, U.S.A., OF 767 FIFTH
AVENUE, NEW YORK, NEW YORK 10153, U.S.A.

Inventors:

- (1) WILLEM G EINTHOVEN.
- (2) LINDA J DOWN.

Application No. 156/MAS/92 filed March 13, 1992.

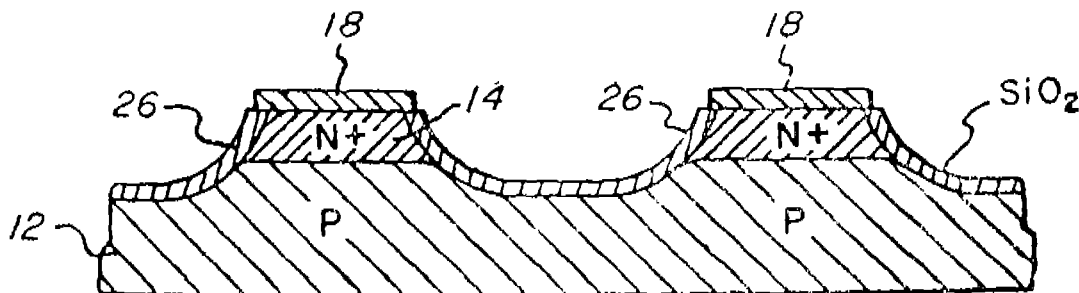
Divisional to Patent Application No. 534/MAS/88;
Ante-dated to July 27, 1988.

A process for forming a semiconductor device said process comprising the steps of:

diffusing an N layer into a P region of a wafer, said N layer having a higher concentration than said P layer;

cutting part way through the wafer from the N layer into the P region to form a plurality of mesa semiconductor structures, each mesa structure having a P-N junction which intersects a sidewall of said mesa structure, said P-N junction comprising at least a portion of said N layer and a portion of said P region; and

oxidizing said sidewall of said mesa structure at sufficient temperature for sufficient duration to cause substantial additional diffusion as well as substantial oxidation such that the effect of said oxidation on the curvature of said P-N layer adjacent to the oxide layer is substantially offset by the effect of said additional diffusion.



(Com. 24 pages;

Drwgs. 7 sheets)

Ind. Class: 206-E [GROUP—LXII]

172580

Divisional to Patent Application No. 534/MAS/88;
Ante-dated to July 27, 1988.

Int. Cl.^a: H 01 L 21/70.**A SEMICONDUCTOR DEVICE.**

Applicant: GENERAL INSTRUMENT CORPORATION,
A DELAWARE CORPORATION, U.S.A., OF 767 FIFTH
AVENUE, NEW YORK, NEW YORK 10153, U.S.A.

Inventors:

- (1) WILLEM G EINTHOVEN.
- (2) LINDA J DOWN.

Application No. 157/MAS/92 filed March 13, 1992.

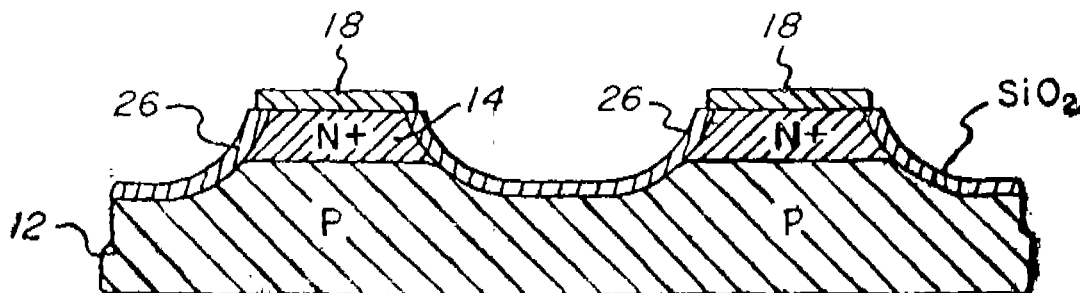
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 Claims

A semiconductor device comprising:

a mesa semiconductor structure having a substantially flat P-N junction which intersects 360° of a sidewall of said mesa structure; and

a grown oxide layer about 1/2 micron or more in thickness on said sidewall of said mesa structure.



(Com. 24 pages;

Drwgs. 7 sheets)

REGISTRATION OF ASSIGNMENTS LICENCES ETC.
(PATENTS)

Assignments, Licences or other transaction affecting the interest of the original patentee have been registered in the following cases.

The Number of each case is followed by the name of the parties claiming interest:—

150182 } Babu Abraham &
160238 } Binoy Abraham.
162768 } Beecham Group PLC.
166818 }

PATENT SEALED

ON 10-09-1993

169015* 170019 170259* 170575 170782 170783 170784*
170785 170786 170787* 170790*D 170792 170793 170794
170795 170796 170797 170798 170799 170806 170807 170811
170812 170813 170814 170815 170816 170817 170818 170819
170821* 170822 170824 170826 170827 170842 170861
170862 170867 170869 170881.

41 cases

CAL-19, MAS-17, DEL-5, BOM-NIL.

*Patent shall be deemed to be endorsed with the words "LICENCE OF RIGHT" Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—DRUG Patent.

RENEWAL FEES PAID

149900 153142 153691 153729 154002 154124 154455 155188
155191 155720 155721 155855 155869 155919 155930 156153
156157 156179 156225 156445 156491 156770 157173 157198
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169968 169969 170016 170033 170046 170062 170063 170065
170116 170123 170148 170182 170211 170233 170265 170285
170322 170353 170367 170373 170539 170673.

REGISTRATION OF DESIGNS

The following designs have registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the entries is the date of the registration of the design included in the entry.

Class 1. No. 165409 & 165410. Raju Khara, Indian of 27, Weston Street, Room No. 301, 3rd floor, Calcutta-700012, W.B., India. "Focussing head for torch". March 10, 1993.

Class 3. No. 165192. Hindustan Lever Ltd., Indian Company of Hindustan Lever House, 165/166, Backbay Reclamation Bombay-400020, Maharashtra, India. "Breaker plate for extruders". January 13, 1993.

Class 3. No. 165719. Western Agro Implements Co. Pvt. Ltd., Indian Co. of 23, Netaji Subhas Road 3, 3 & 4, Commercial Building, Calcutta-700001, W.B., India. "Knapsack sprayer". June 8, 1993.

Class 4. No. 165050. Neycer India Limited, Indian Company of 52, Chamiers Road, Madras-600023, T.N., India. "Water Closet". November 27, 1992.

Class 12. No. 165753. Calcutta Food Products (P) Ltd., Indian Company of H. L. Sarkar Road, Bansdroni, Calcutta-700070, W.B., India. "Biscuit". June 14, 1993.

R. A. ACHARYA
Controller General of Patents Designs and
Trade Marks

